

#### ABSTRACT OF THE DISCLOSURE

An optical space transmission device as a peripheral device includes a communication controller for adjusting a luminous intensity of an LED subsequent to a polling sequence by a host device. Before a communication is established, a luminous intensity is set to be maximum, and as long as a command of a predetermined content is returned from the host device in response to data transmitted from the peripheral device, the luminous intensity of the LED is reduced by one level. On the other hand, upon detecting a receiving error of the command by a receiving error detecting circuit, the luminous intensity of the LED is increased by one level, thereby determining an optimal luminous intensity.